

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/760,123	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/08 12:21
L2	48	Verma Inder	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:21
L3	50	Spencer Brian	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:21
L4	5831	lentivir\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:21
L5	2948	gp41	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:21
L6	179	CD40 transmembrane	US-PGPUB; USPAT; EPO; JPO; DERWENT	WITH	ON	2006/03/08 12:22
L7	3224	influenza hemagglutinin	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:22
L8	6	I4 and I5 and I6 and I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:25
L9	1	I4 I5 I6 I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	ON	2006/03/08 12:23
L10	550	pseudotype	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:23
L11	1	I10 and I6	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:24
L12	18	I4 and I6	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:25
L13	1	(I4 and I6).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:25

EAST Search History

L14	1	(I4 and I5 and I6 and I7).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:25
L16	32	I6 and I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/08 12:27
L17	11	I16 and I4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/08 12:27
L18	94	I2 or I3	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:28
L19	1	I18 and I6	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:28
L21	4	attachment incompetent fusogenic	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2006/03/08 12:30
L22	7	attachment incompetent fusogenic	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	ON	2006/03/08 12:31
L23	5	(US-20040033604-\$ or US-20040235173-\$ or US-20050003547-\$).did. or (US-6416997-\$).did. or (WO-2004067710-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/03/08 12:32

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(FILE 'HOME' ENTERED AT 11:55:35 ON 08 MAR 2006)

FILE 'MEDLINE, SCISEARCH, CAPLUS, BIOSIS' ENTERED AT 11:56:16 ON 08 MAR 2006

L1 318651 S LENTIVIR? OR RETROVIR? OR HIV(3W)VECT? OR SIV(3W)VECT?
L2 29317 S CD40
L3 17201 S HEMAGGLUTININ (L) INFLUENZA
L4 9464 S GP41
L5 0 S L1 (L) L2 (L) L3 (L) L4
L7 0 S L1 (L) L2 (L) L3
L8 302 S L1 (L) L2
L9 2 S L8 AND (L3 OR L4)
L10 2 DUP REM L9 (0 DUPLICATES REMOVED)
L11 114 DUP REM L8 (188 DUPLICATES REMOVED)
L12 5 S L11 AND TRANSMEM?
L13 5 SORT L12 PY
E VERMA Inder?/AU
L14 528 S E1
L15 6 S E2
E SPENCER BRIAN?/AU
L16 534 S L14 OR L15
L17 1 S L16 AND L8
L18 207 S L3 (L) L4
L19 44 S L18 AND L1
L20 41 DUP REM L19 (3 DUPLICATES REMOVED)
L21 37 S L20 AND PY<=2003
L22 37 FOCUS L21 1-
L23 0 S L20 AND L2
L24 463 S CD40 (L) TRANSMEMBRANE
L25 9 S L24 AND L1
L26 4 DUP REM L25 (5 DUPLICATES REMOVED)
L27 4 SORT L26 PY

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L27 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Compositions and methods for tissue specific targeting of
lentivirus vectors and uses for gene transfer

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

IN Verma, Inder M.; Marr, Robert; Spencer, Brian J.

AB The invention provides a **lentiviral** vector containing an attachment incompetent fusogenic polypeptide and a heterologous targeting polypeptide. Also provided is a **lentiviral** packaging construct. The construct contains a nucleic acid encoding trans-acting factors sufficient for **lentiviral** vector generation and an attachment incompetent fusogenic polypeptide. A **lentiviral** packaging system having at least two nucleic acid vectors is further provided. The **lentiviral** packaging system consists of a first nucleic acid vector comprising a packaging construct encoding a trans-acting factor for **lentiviral** vector generation, and a second nucleic acid vector encoding an attachment incompetent fusogenic polypeptide, said at least two vectors together encoding trans-acting factors sufficient for **lentiviral** vector generation. The invention addnl. provides a **lentiviral** gene delivery system having at least three nucleic acid vectors. The gene delivery system consists of: a first nucleic acid vector comprising a packaging construct encoding a trans-acting factor for **lentiviral** vector generation; a second nucleic acid vector comprising a fusogenic construct encoding an attachment incompetent fusogenic polypeptide, and a third nucleic acid vector comprising a **lentiviral** vector genome encoding **lentiviral** cis

sequences sufficient for vector genome transduction, said at least three vectors together encoding trans-acting factors sufficient for lentiviral vector generation. Finally, methods of transducing a cell and methods of targeting a gene to a cell or tissue using the lentiviral vectors and systems of the invention are also provided.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004067710	A2	20040812	WO 2004-US1109	20040116
	WO 2004067710	A3	20051229		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				
	ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,				
	TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005003547	A1	20050106	US 2004-760123	20040116